

POWERED FLIGHT FIVE

Weather flight

Syllabus # 10

Estimated time: 0.7 hour.

1. Preflight:

- a. Discuss previously completed syllabus flights as appropriate.
- b. Identify cloud types and explain their affect upon flight.
- c. Discuss how terrain affects air stability.
- d. Demonstrate preflight weather briefing and its importance.

2. In flight:

- a. Demonstrate effects that weather have upon flying.
- b. Demonstrate the crab method (forward slip) to compensate for wind.
- c. Discuss wake turbulence avoidance.
- d. Demonstrate temperature differences at a few altitudes and how altitude affects rate of climb.

3. Post flight. Answer questions pertaining to the flight and stress safety.

Refer to *Aerospace Dimensions* module 3: Air Environment.

